

Some approximation results for generalized Kantorovich-type operators

ABSTRACT

In this paper, we construct a new family of operators, prove some approximation results in A -statistical sense and establish some direct theorems for Kantorovich-type integral operators.

Keyword: A -statistical convergence; Kantorovich-type operators; Korovkin approximation theorems; Lagrange polynomial; Lipschitz class; Modulus of continuity; Peetre's K -functional; Positive linear operators.